

## CLAIMS

1. A microphone adapter for a respirator having a speech projector, the adapter comprising a sound tube with a first open end designed to be located in the vicinity of the speech projector of the respirator and a second open end designed to be attached to a microphone, whereby, in use, speech emanating from the speech projector is transmitted via the sound tube to the microphone.
2. The adapter of claim 1 comprising a microphone box in which the second open end of the sound tube terminates, said box being arranged to fit over a microphone and shield the microphone from any incident sound other than that received via the sound tube.
3. The adaptor of claim 1 comprising a microphone box arranged to releasably push over a microphone.
4. A respirator having a speech projector and a microphone adaptor as claimed in claim 1.
5. The respirator of claim 4 comprising an exhale diaphragm located in a region substantially in front of the mouth of a wearer of the respirator, which diaphragm opens into the sound projector to leave a clear passage between the mouth of the wearer and the first open end of the sound tube when the wearer exhales during the speech process.
6. The respirator of claim 4 further comprising an inner face seal internal of an outer layer of the respirator wherein the exhale diaphragm extends through both the internal face seal and the outer layer.
7. Battlefield communication equipment comprising: a headset to be worn by an operative, the headset having earphones, a boom microphone and a

connection for a radio enabling the operative to have two way communication;

a respirator; and

a microphone adaptor, the microphone adaptor having a sound tube and a microphone box arranged such that when the operative is wearing the respirator the operative can put the sound box over the boom microphone of the headset, the adaptor being arranged to receive speech from within the respirator and transmit that speech via the microphone tube and microphone box to the boom microphone.

8. The equipment of claim 7 wherein the respirator comprises a speech projector and the adaptor is arranged to receive speech from within the respirator via said speech projector.

9. The equipment of claim 8 comprising the adaptor of claim 1.

10. The equipment of claim 7 further comprising a digitally encrypted ratio to which the microphone is connected.